

FIG. 1

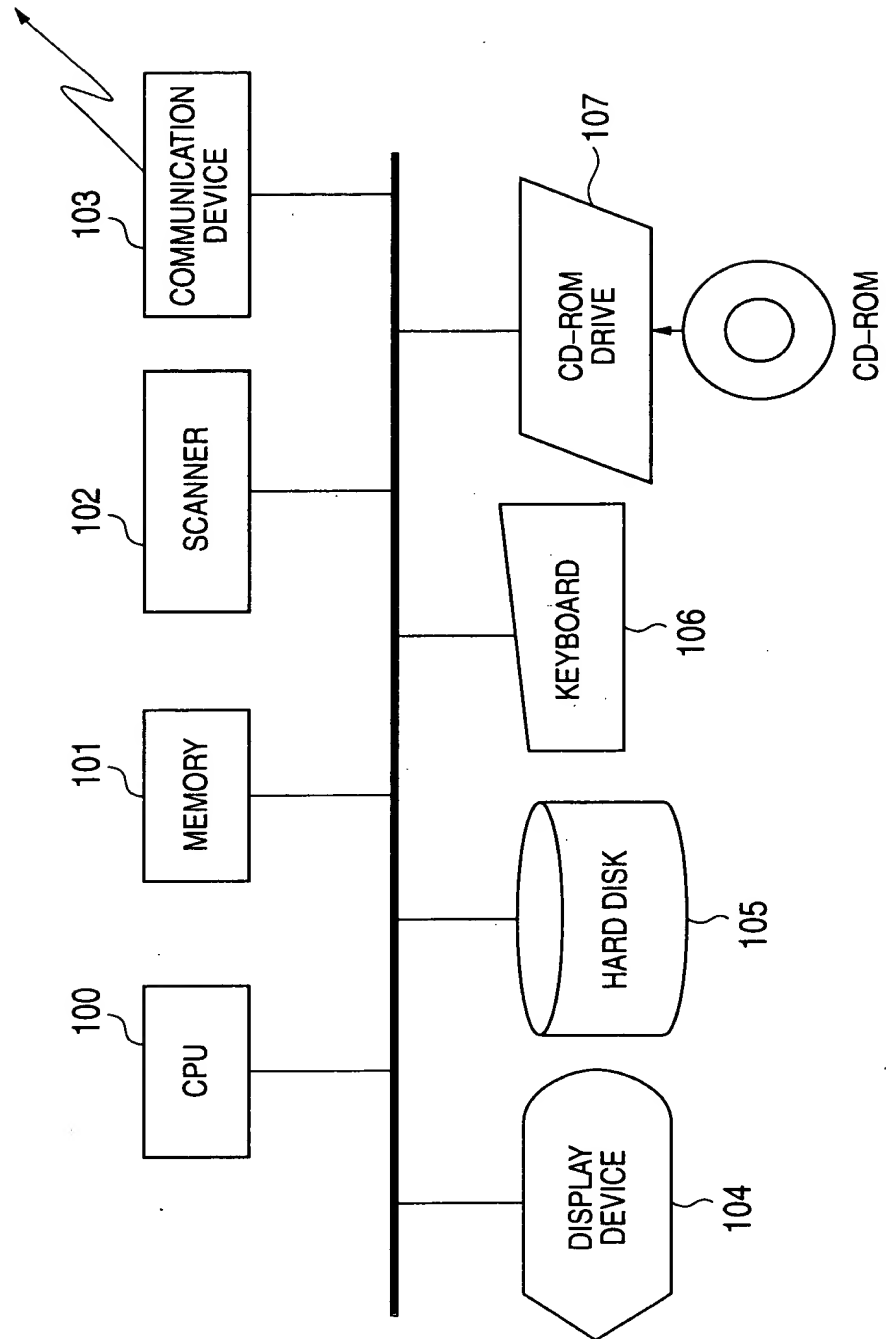


FIG. 2

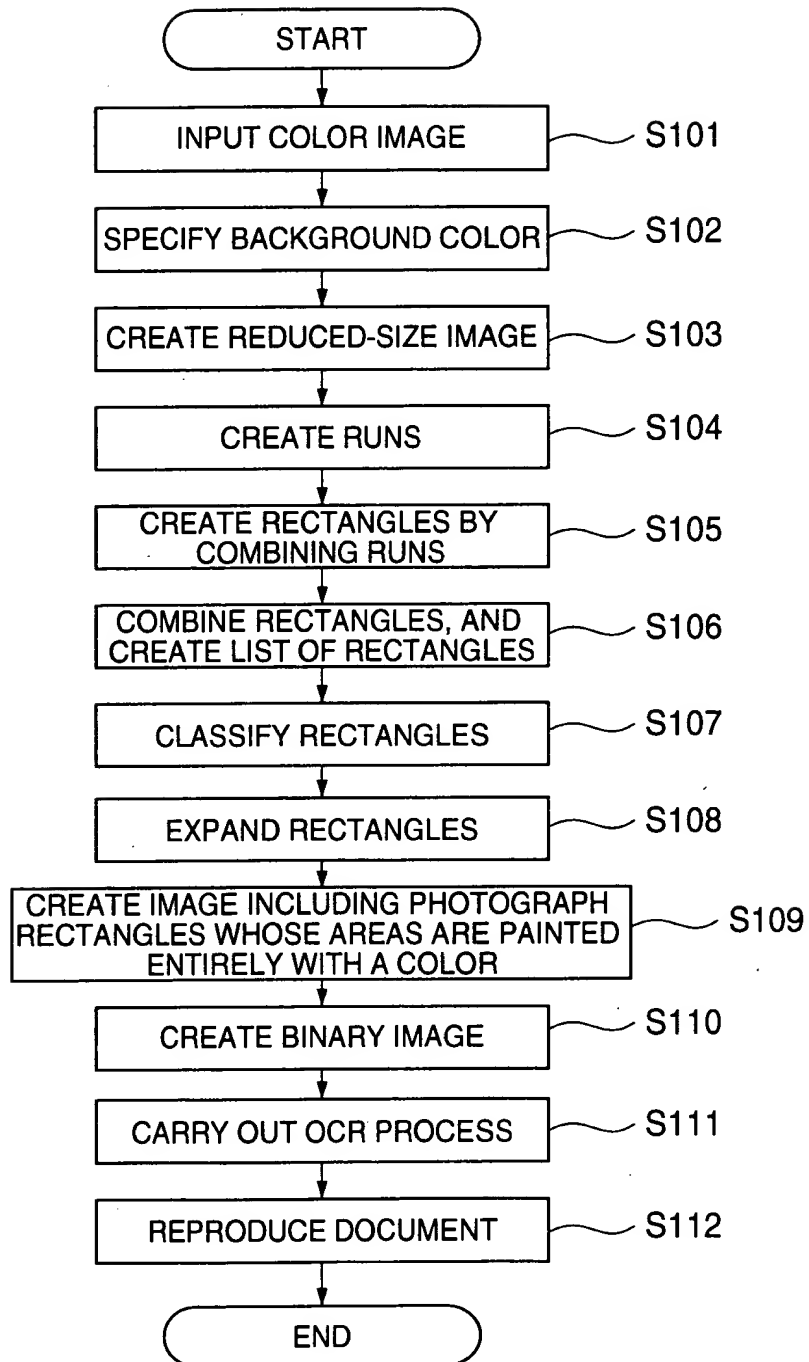


FIG. 3

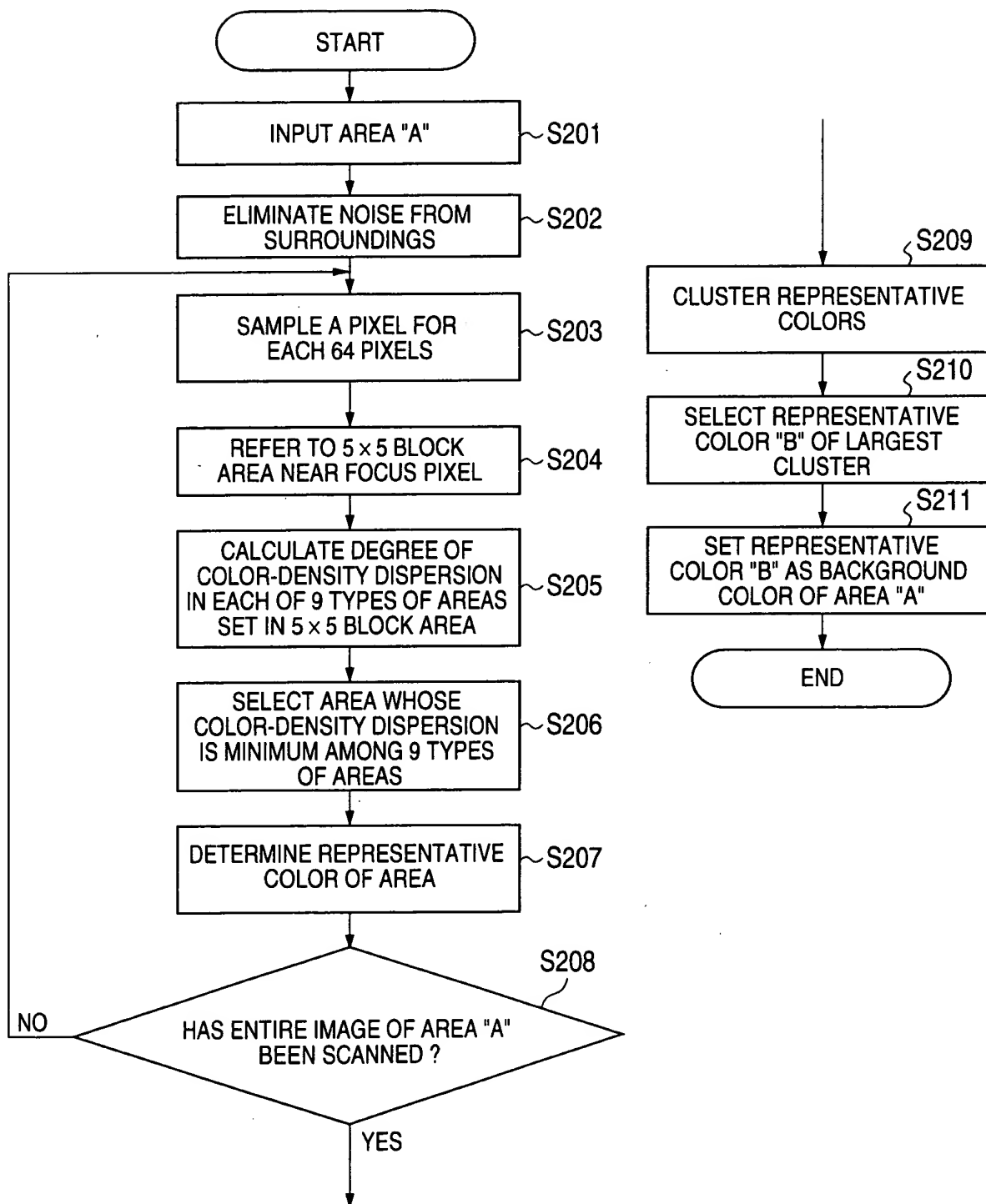


FIG. 4

area0	area1	area2	area3	area4	area5	area6	area7	area8
00...	...11	....	....	.444.	....	....	....	....
000..	..111	....	....	.444.	55...	...66	....	.888.
.0P..	..P1.	.2P..	..P3.	..P..	55P..	..P66	..P..	.8P8.
.....	.....	222..	..333	.....	55...	...66	.777.	.888.
.....	.....	22...	..33	.....	....	....	.777.	....

P : CENTER OF 5×5 BLOCK AREA  
 . : POINT OUTSIDE EACH AREA(area n(n=0...8))  
 n : POINT INSIDE EACH AREA(n=0...8)

FIG. 5

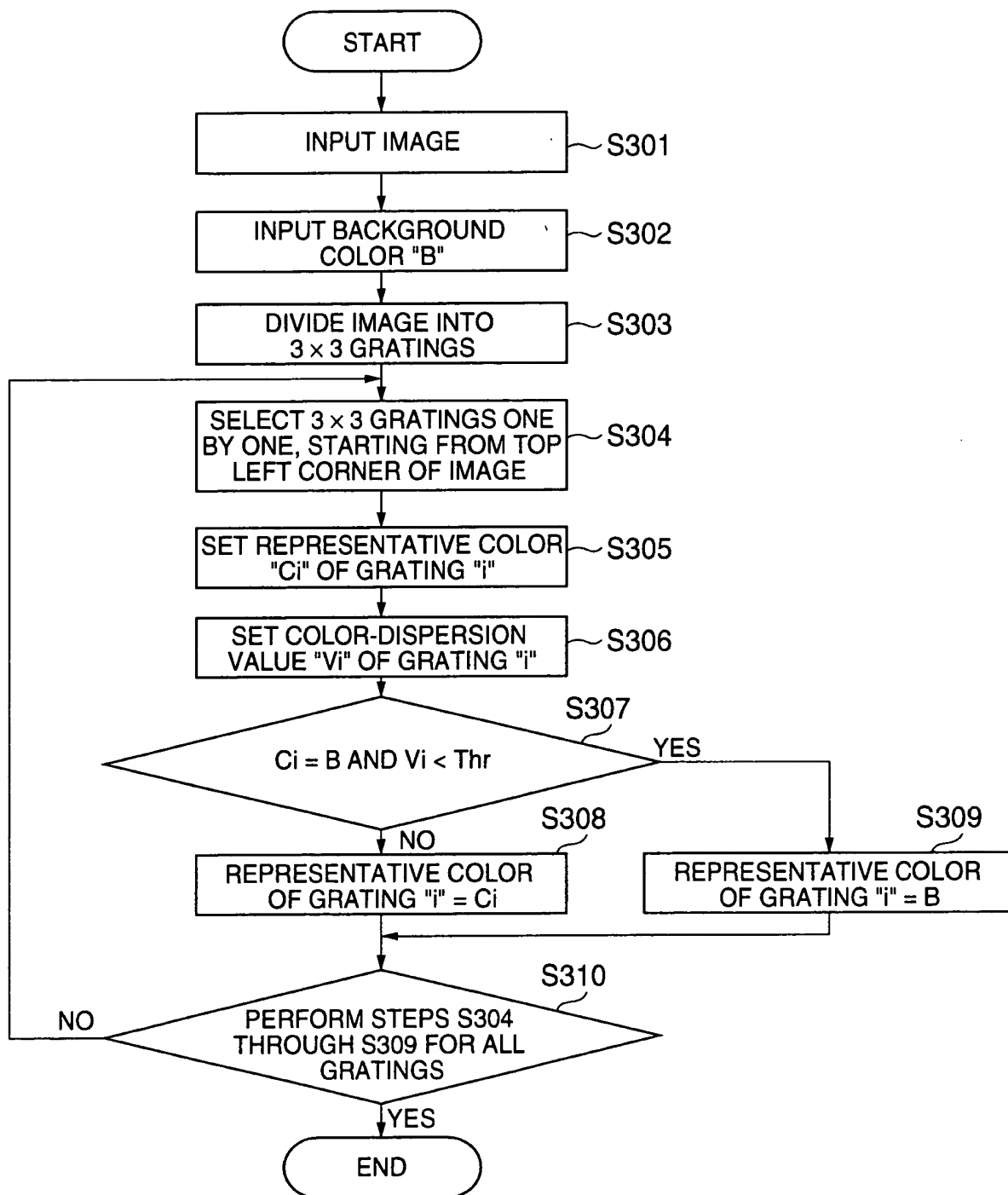
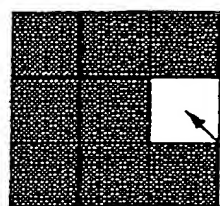
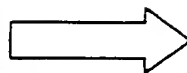


FIG. 6A

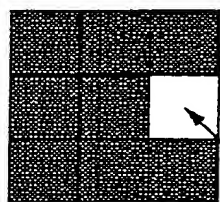


3×3 BLOCK

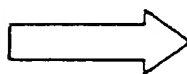


WHITE CHARACTER PIXEL ON BLACK BACKGROUND

FIG. 6B



3×3 BLOCK



BLACK CHARACTER PIXEL ON WHITE BACKGROUND

FIG. 7

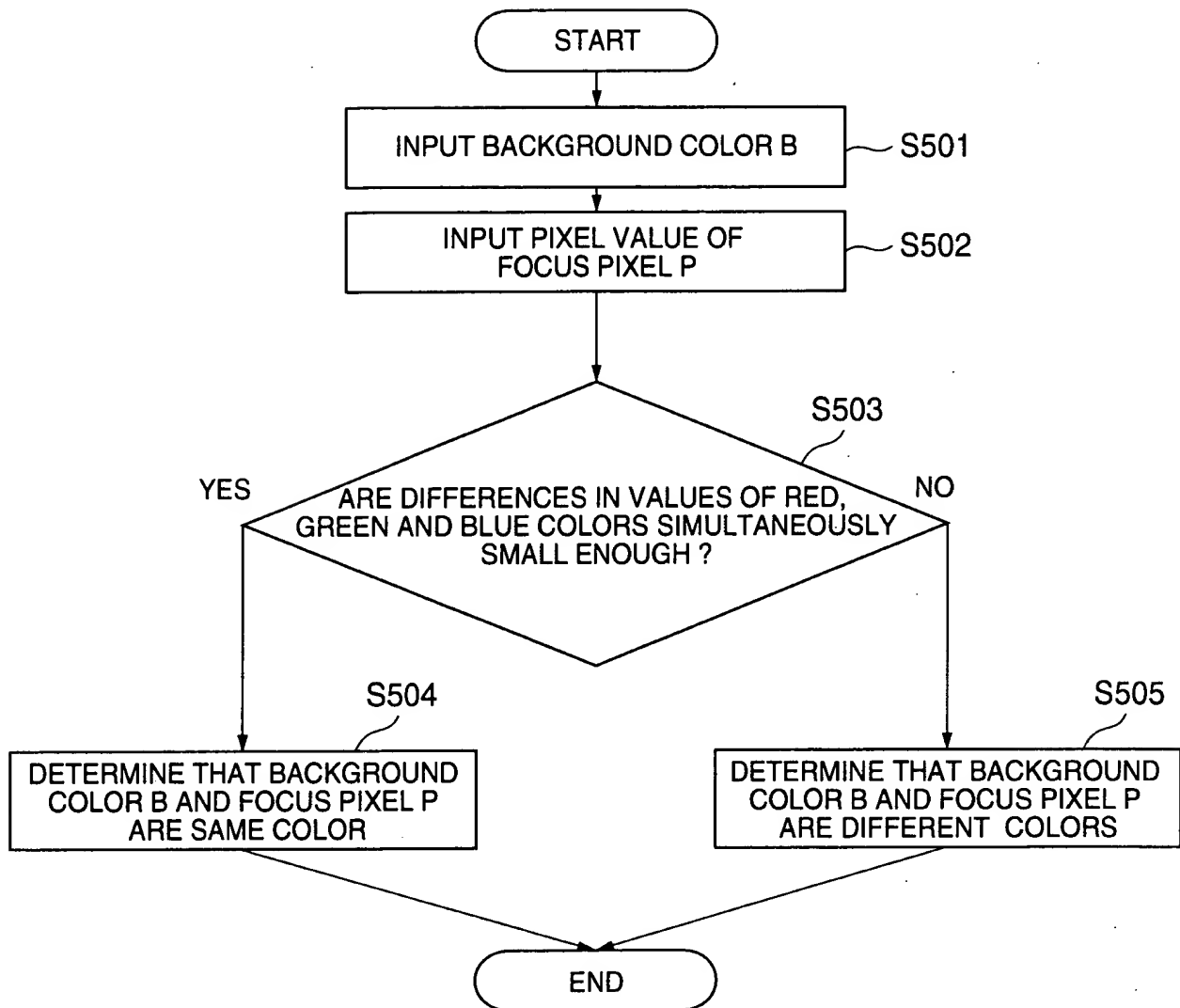


FIG. 8

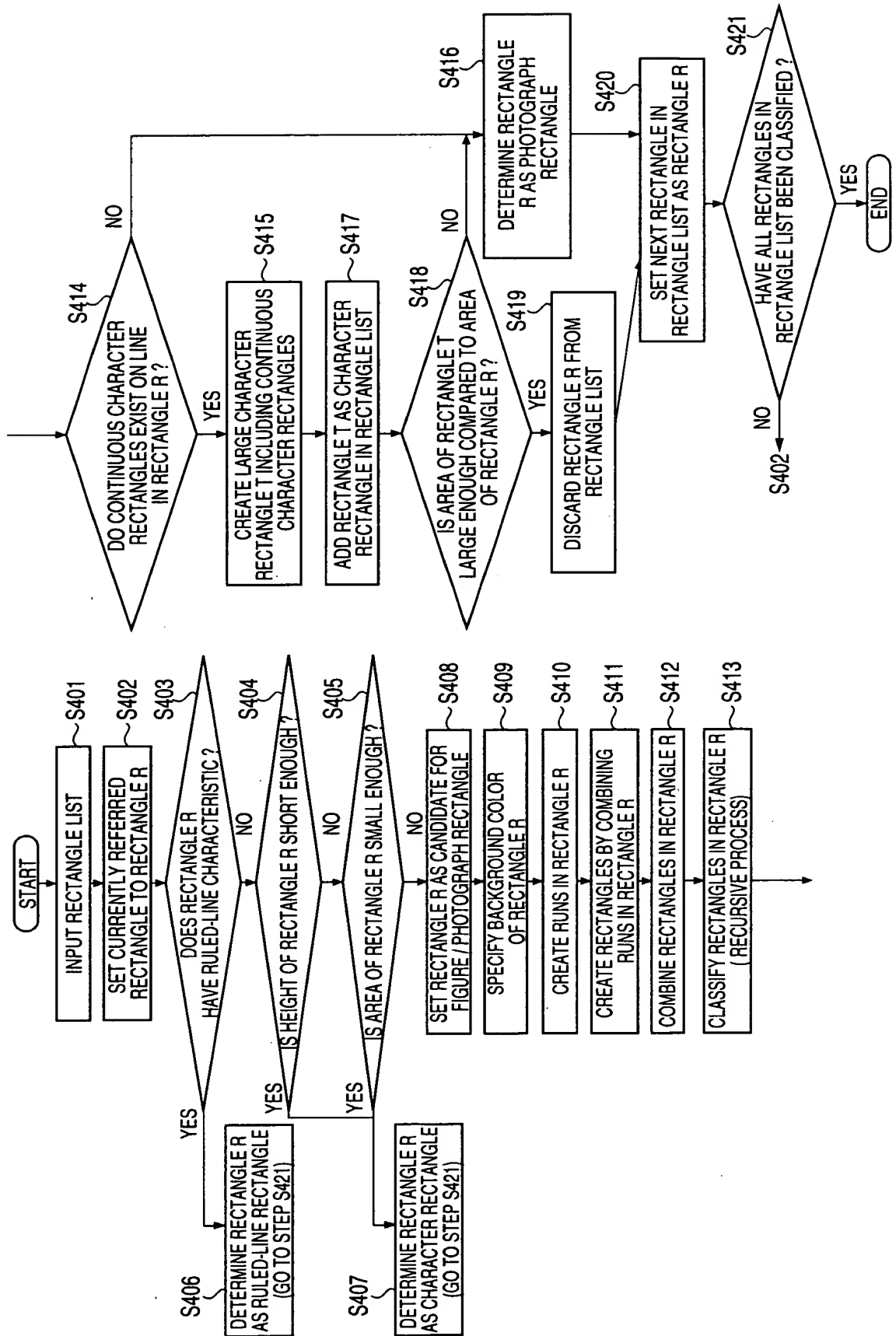




FIG. 9

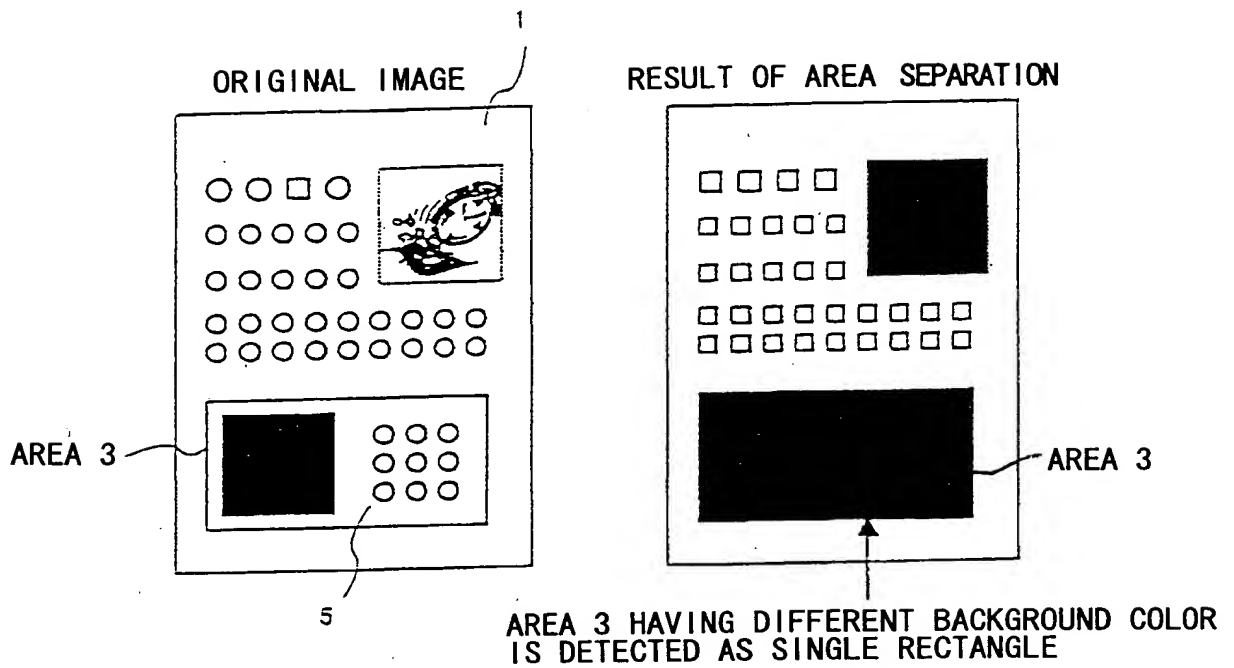


FIG. 10

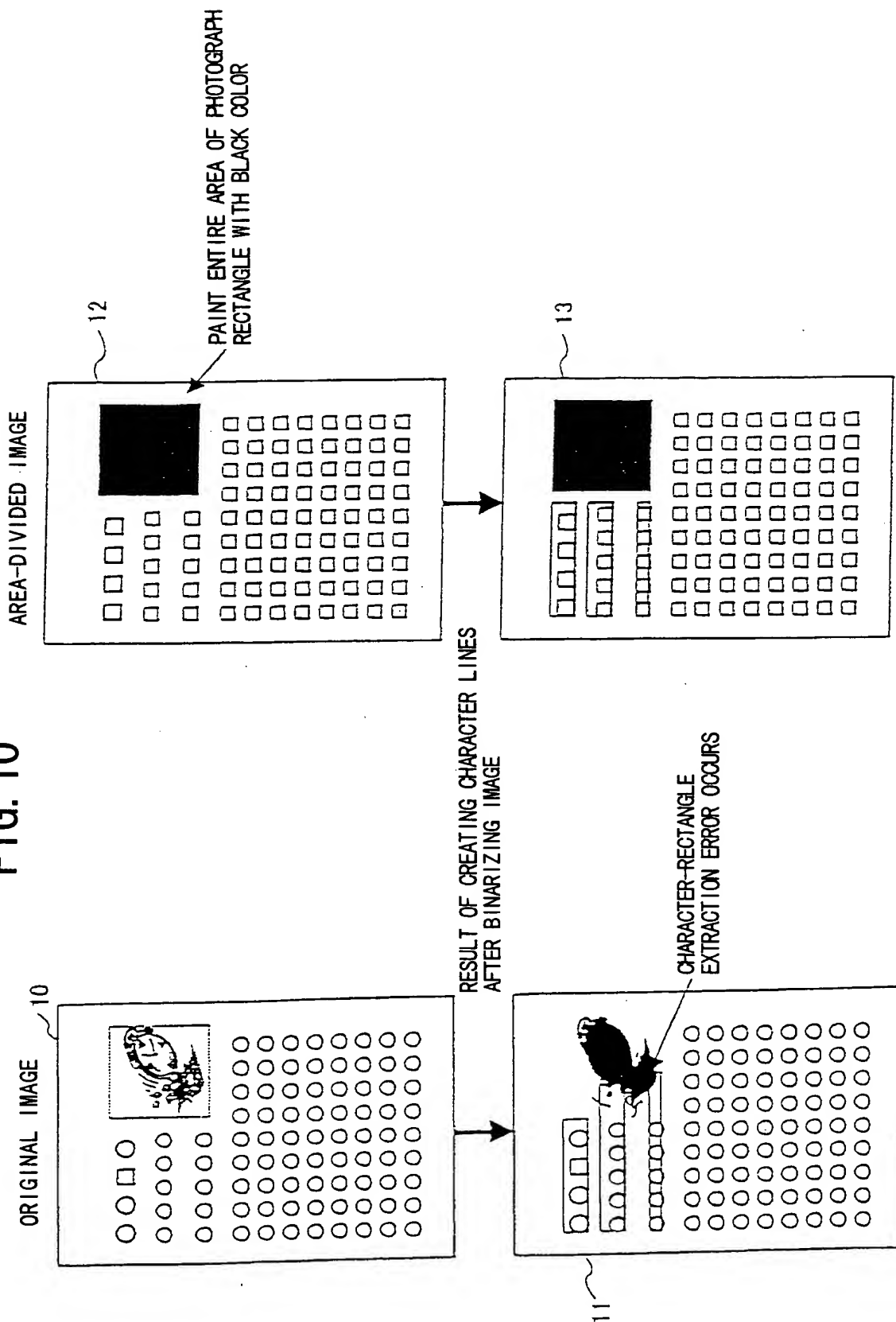
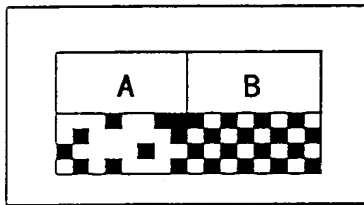
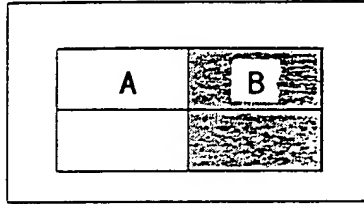


FIG. 11

ORIGINAL IMAGE  
(EACH CELL IS SEPARATED BY COLOR)

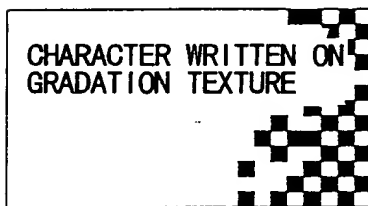
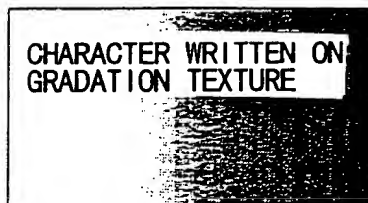


RESULT OF BINARIZING ORIGINAL IMAGE  
BY ANALYZING EACH AREA

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FIG. 12

ORIGINAL IMAGE  
(GRADATION TEXTURE)



RESULT OF BINARIZING ORIGINAL IMAGE  
BY ANALYZING EACH AREA

FILED

FIG. 13

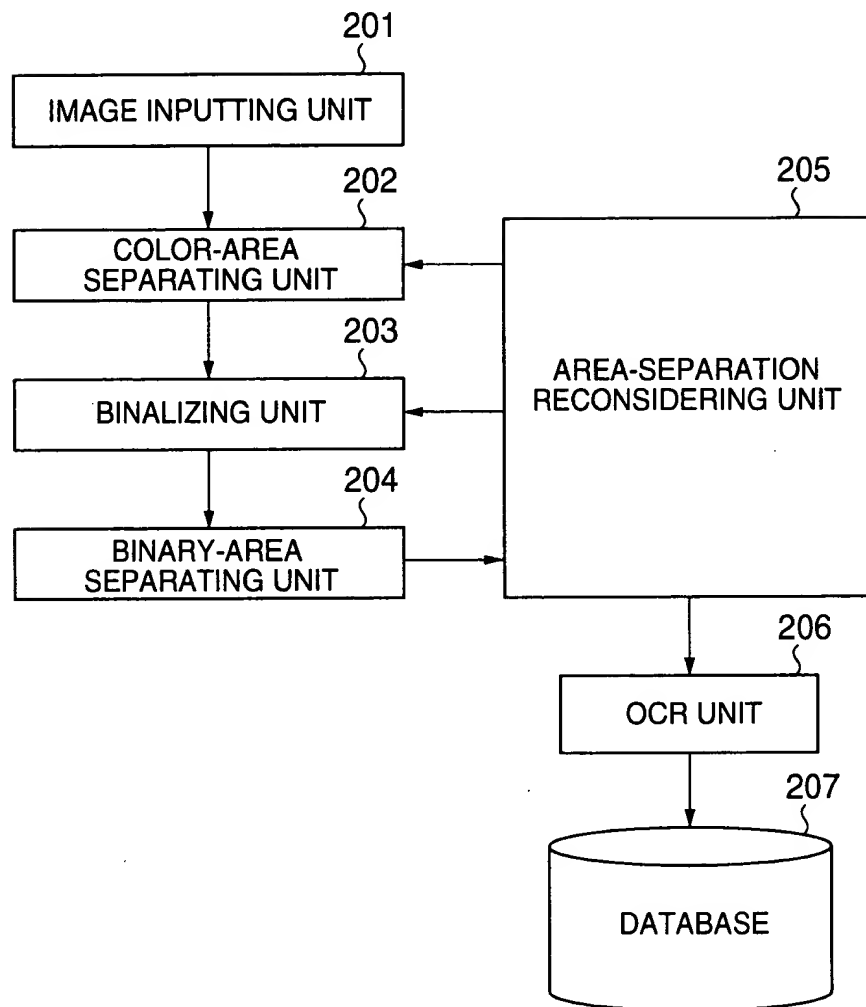


FIG. 14

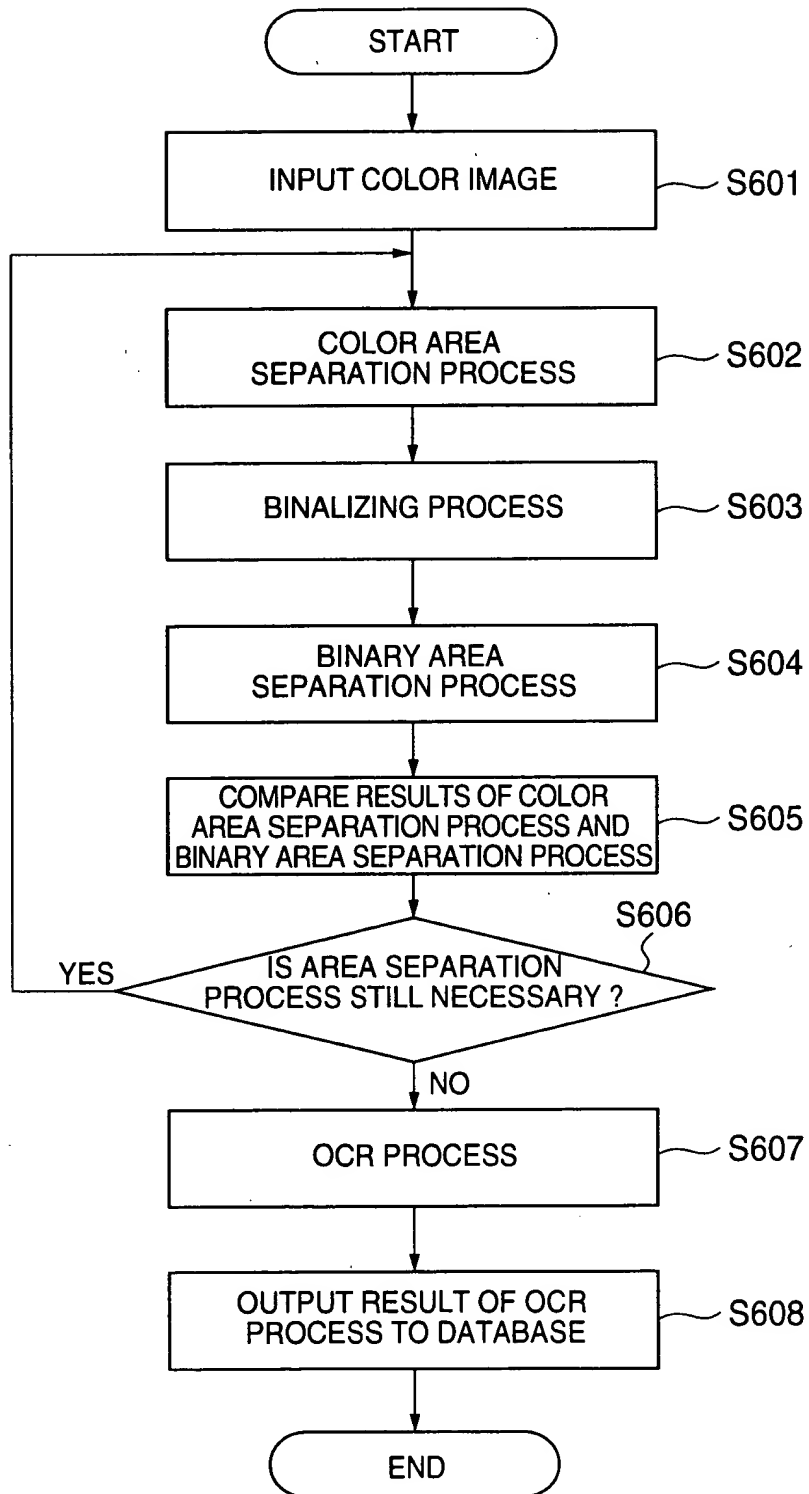


FIG. 15

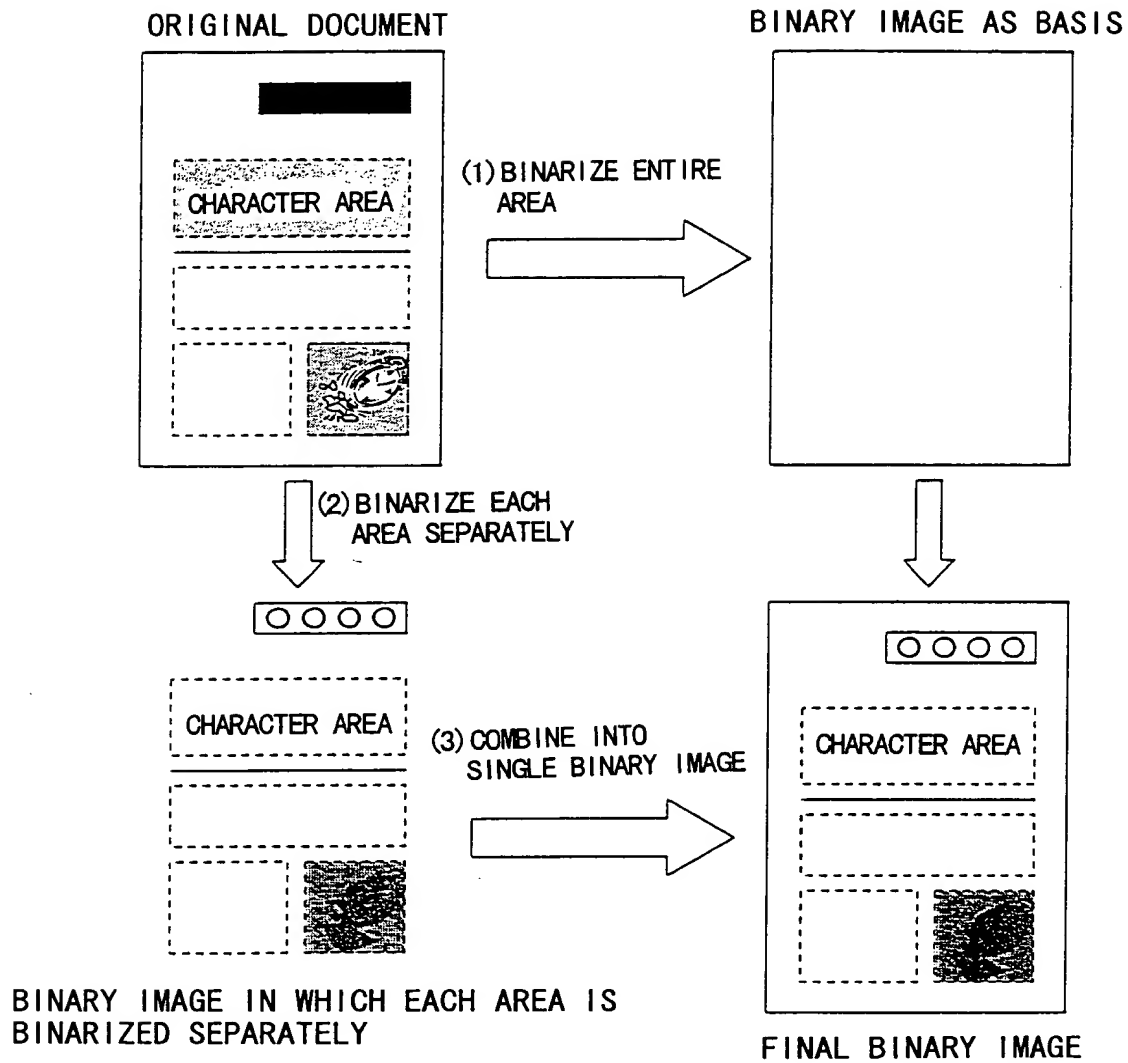
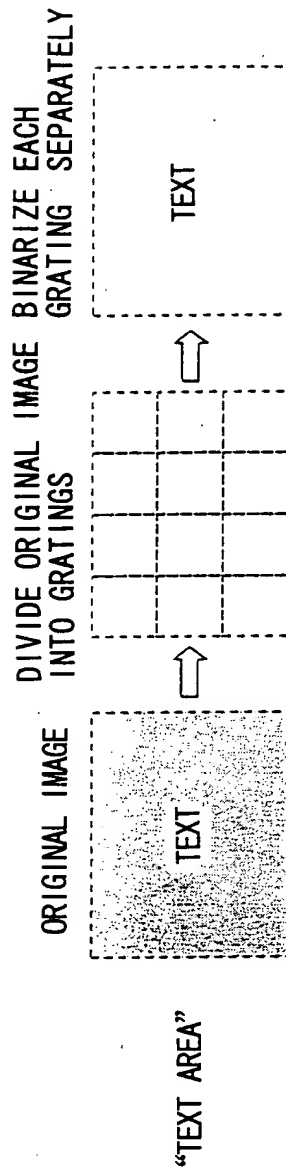


FIG. 16







## FIG. 18

ORIGINAL IMAGE

**COURSE**

RESULT OF COLOR AREA  
SEPARATION PROCESS

**COURSE**

RESULT OF BINARY AREA  
SEPARATION PROCESS

**COURSE**

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INV: Tsukasa KOHCHI  
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FIG. 19

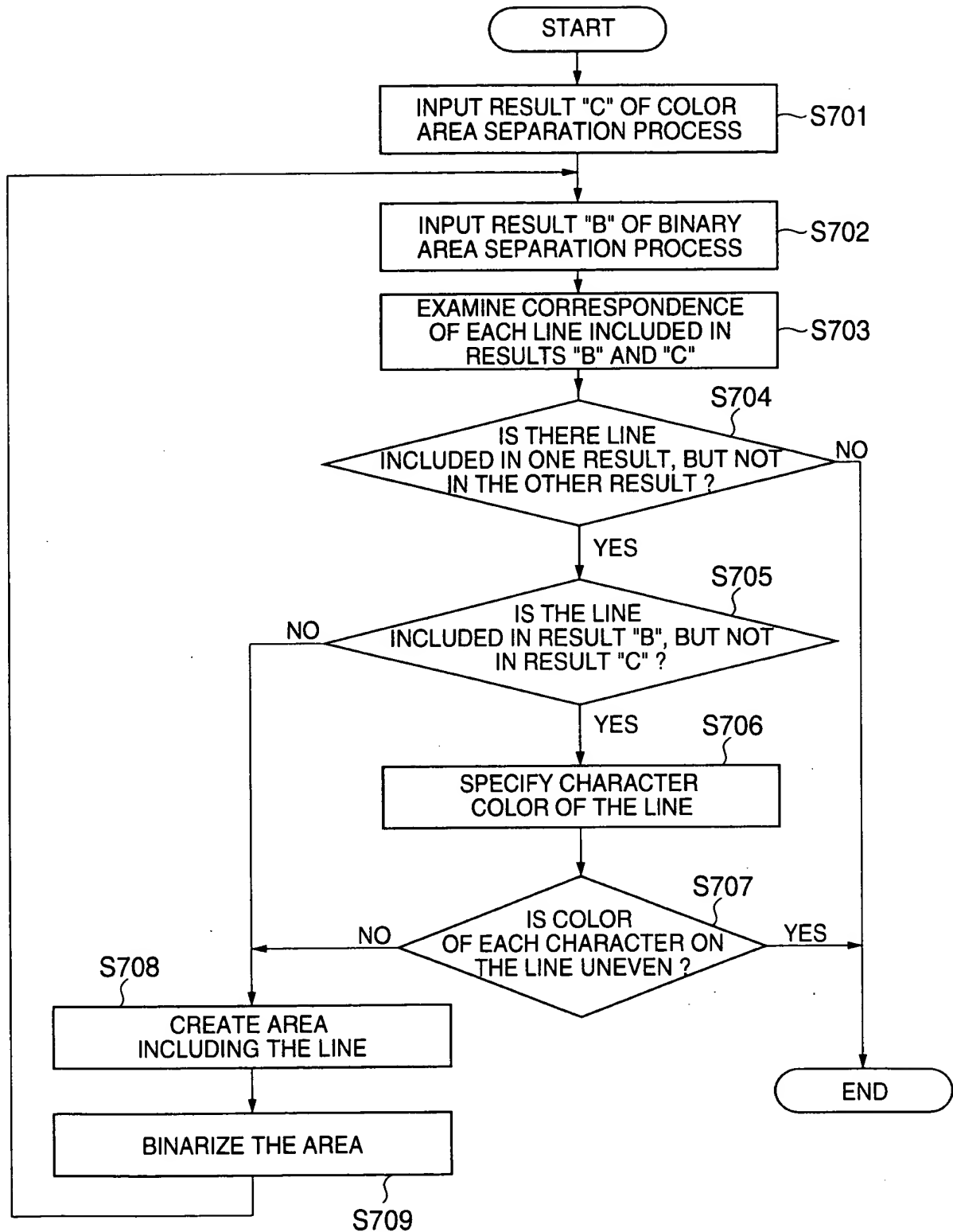
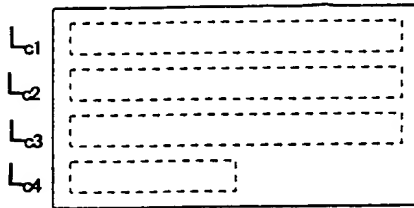


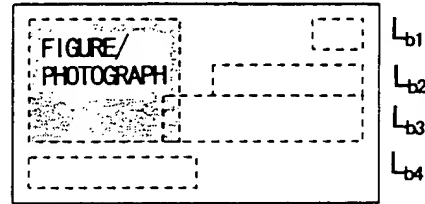
FIG. 20A

FIG. 20B

RESULT OF COLOR AREA SEPARATION PROCESS



RESULT OF BINARY AREA SEPARATION PROCESS




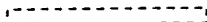
AREA RECTANGLE   
TEXT RECTANGLE 

FIG. 20A - FIG. 20B

FIG. 21

